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* * * * * * * * *   Welcome to STN International   * * * * * * * * *

 NEWS 1   Web Page for STN Seminar Schedule – N. America
 NEWS 2 AUG 10   Time limit for inactive STN sessions doubles to 40
                    minutes
 NEWS 3 AUG 18   COMPENDEX indexing changed for the Corporate Source
                    (CS) field
 NEWS 4 AUG 24   ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
 NEWS 5 AUG 24   CA/CAplus enhanced with legal status information for
                    U.S. patents
 NEWS 6 SEP 09   50 Millionth Unique Chemical Substance Recorded in
                    CAS REGISTRY
 NEWS 7 SEP 11   WPIDS, WPINDEX, and WPIX now include Japanese FTERM
                    thesaurus
 NEWS 8 OCT 21   Derwent World Patents Index Coverage of Indian and
                    Taiwanese Content Expanded
 NEWS 9 OCT 21   Derwent World Patents Index enhanced with human
                    translated claims for Chinese Applications and
                    Utility Models
 NEWS 10 NOV 23   Addition of SCAN format to selected STN databases
 NEWS 11 NOV 23   Annual Reload of IFI Databases
 NEWS 12 DEC 01   FRFULL Content and Search Enhancements
 NEWS 13 DEC 01   DGENE, USGENE, and PCTGEN: new percent identity
                    feature for sorting BLAST answer sets
 NEWS 14 DEC 02   Derwent World Patent Index: Japanese FI-TERM
                    thesaurus added
 NEWS 15 DEC 02   PCTGEN enhanced with patent family and legal status
                    display data from INPADOCDB
 NEWS 16 DEC 02   USGENE: Enhanced coverage of bibliographic and
                    sequence information
 NEWS 17 DEC 21   New Indicator Identifies Multiple Basic Patent
                    Records Containing Equivalent Chemical Indexing
                    in CA/CAplus
 NEWS 18 JAN 12   Match STN Content and Features to Your Information
                    Needs, Quickly and Conveniently
 NEWS 19 JAN 25   Annual Reload of MEDLINE database
 NEWS 20 FEB 16   STN Express Maintenance Release, Version 8.4.2, Is
                    Now Available for Download
 NEWS 21 FEB 16   Derwent World Patents Index (DWPI) Revises Indexing
                    of Author Abstracts
 NEWS 22 FEB 16   New FASTA Display Formats Added to USGENE and PCTGEN
 NEWS 23 FEB 16   INPADOCDB and INPAFAMDB Enriched with New Content
                    and Features
 NEWS 24 FEB 16   INSPEC Adding Its Own IPC codes and Author's E-mail
                    Addresses

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
          AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:41:29 ON 16 FEB 2010

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   0.22   0.22

FILE 'REGISTRY' ENTERED AT 09:41:59 ON 16 FEB 2010
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STRUCTURE FILE UPDATES: 15 FEB 2010 HIGHEST RN 1206588-85-3
DICTIONARY FILE UPDATES: 15 FEB 2010 HIGHEST RN 1206588-85-3

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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REGISTRY includes numerically searchable data for experimental and
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on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10782076.str
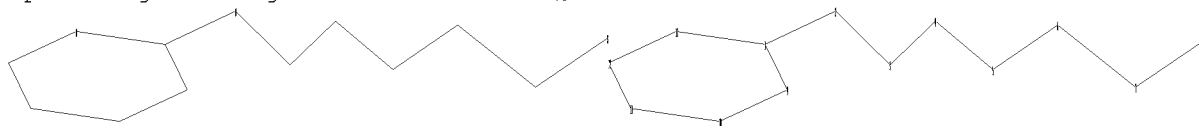
chain nodes :
2 3 4 5 6 7 8
ring nodes :
1 9 10 11 12 13
chain bonds :
1-2   2-3   3-4   4-5   5-6   6-7   7-8
ring bonds :
1-9   1-13   9-10   10-11   11-12   12-13
exact/norm bonds :
1-2   1-9   1-13   2-3   7-8   9-10   10-11   11-12   12-13
exact bonds :
3-4   4-5   5-6   6-7

Match level :
1:Atom   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS   9:Atom
10:Atom   11:Atom   12:Atom   13:Atom

L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1   STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1 fam sam
SAMPLE SEARCH INITIATED 09:42:24 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   466 TO ITERATE

100.0% PROCESSED   466 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 8025 TO   10615
PROJECTED ANSWERS: 0 TO   0

L2   0 SEA FAM SAM L1

=> s l1 fam full
FULL SEARCH INITIATED 09:42:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   9222 TO ITERATE

100.0% PROCESSED   9222 ITERATIONS   1 ANSWERS
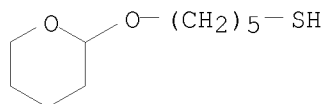SEARCH TIME: 00.00.01

L3   1 SEA FAM FUL L1

=> d l3

L3   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN   128334-80-5 REGISTRY
ED   Entered STN: 20 Jul 1990

CN   1-Pentanethiol, 5-[(tetrahydro-2H-pyran-2-yl)oxy]- (CA INDEX NAME)
MF   C10 H20 O2 S
SR   CA
LC   STN Files: CA, CAPLUS, TOXCENTER

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

                1 REFERENCES IN FILE CA (1907 TO DATE)
                1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> f hcaplus
L4   0 HCAPLUS

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   83.68   83.90

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FILE COVERS 1907 - 16 Feb 2010 VOL 152 ISS 8
FILE LAST UPDATED: 15 Feb 2010 (20100215/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l3
L5   1 L3

```
=> d l3 ibib abs hitstr
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y
```

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats. The predefined substance formats
are: (RN = CAS Registry Number)

```
REG     - RN
SAM     - Index Name, MF, and structure - no RN
FIDE    - All substance data, except sequence data
IDE     - FIDE, but only 50 names
SQIDE   - IDE, plus sequence data
SQIDE3  - Same as SQIDE, but 3-letter amino acid codes are used
SQD     - Protein sequence data, includes RN
SQD3    - Same as SQD, but 3-letter amino acid codes are used
SQN     - Protein sequence name information, includes RN

EPROP   - Table of experimental properties
PPROP   - Table of predicted properties
PROP    - EPROP, ETAG, PPROP
```

Any CA File format may be combined with any substance format to
obtain CA references citing the substance. The substance formats
must be cited first. The CA File predefined formats are:

```
ABS  -- Abstract
APPS -- Application and Priority Information
BIB  -- CA Accession Number, plus Bibliographic Data
CAN  -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND  -- Index Data
IPC  -- International Patent Classification
PATS -- PI, SO
STD  -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB --------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB --------- BIB, no citations
SIBIB ------- IBIB, no citations
```

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL plus SPEC.
The IALL format is the same as ALL with BIB ABS and IND indented,
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For additional information, please consult the following help
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HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):FIL HCAPLUS, USPATFULL, BIOSCI, MEDLINE
'FIL' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'HCAPLUS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'USPATFULL' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'BIOSCI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'MEDLINE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats. The predefined substance formats
are: (RN = CAS Registry Number)

REG   - RN
SAM   - Index Name, MF, and structure - no RN
FIDE   - All substance data, except sequence data
IDE   - FIDE, but only 50 names
SQIDE   - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD   - Protein sequence data, includes RN
SQD3   - Same as SQD, but 3-letter amino acid codes are used
SQN   - Protein sequence name information, includes RN

EPROP   - Table of experimental properties
PPROP   - Table of predicted properties
PROP   - EPROP, ETAG, PPROP

Any CA File format may be combined with any substance format to
obtain CA references citing the substance. The substance formats
must be cited first. The CA File predefined formats are:

ABS   -- Abstract
APPS -- Application and Priority Information
BIB   -- CA Accession Number, plus Bibliographic Data
CAN   -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND   -- Index Data
IPC   -- International Patent Classification
PATS -- PI, SO
STD   -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB --------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB --------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL plus SPEC.
The IALL format is the same as ALL with BIB ABS and IND indented,

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                                                ENTRY   SESSION
FULL ESTIMATED COST   0.50   85.39

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file. In some files you may use a Registry Number answer set from a
structure search as a search term or profile in some bibliographic
file containing Registry Numbers, e.g. the CA file. For an
explanation, enter "HELP CROSSOVER" at an arrow prompt (=>).

=> d his

     (FILE 'HOME' ENTERED AT 09:41:29 ON 16 FEB 2010)

     FILE 'REGISTRY' ENTERED AT 09:41:59 ON 16 FEB 2010
L1   STRUCTURE UPLOADED
L2   0 S L1 FAM SAM
L3   1 S L1 FAM FULL
L4   0 F HCAPLUS

     FILE 'CAPLUS' ENTERED AT 09:43:22 ON 16 FEB 2010
L5   1 S L3

     FILE 'REGISTRY' ENTERED AT 09:43:48 ON 16 FEB 2010

```
       FILE 'CAPLUS' ENTERED AT 09:44:11 ON 16 FEB 2010

       FILE 'HCAPLUS, USPATFULL, ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA,
       ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHDS, BIOTECHNO,
       CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DGENE,
       DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT
       09:44:17 ON 16 FEB 2010
L***             1 S L3
L***             0 S L3
L***             0 S L3
L***             0 S L3
L***           0 S L3
L***           0 S L3
L***           0 S L3

=> s l5
SUBSTANCE QUERIES NOT VALID IN THIS FILE
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correspond to structures built by the STRUCTURE command or to screen
sets.  These must be searched in a substance file such as the REGISTRY
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=> file reg
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY       SESSION
FULL ESTIMATED COST                                 95.61       181.00

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STRUCTURE FILE UPDATES:    15 FEB 2010   HIGHEST RN 1206588-85-3
DICTIONARY FILE UPDATES:   15 FEB 2010   HIGHEST RN 1206588-85-3

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REGISTRY includes numerically searchable data for experimental and
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http://www.cas.org/support/stngen/stndoc/properties.html

=> s l3
SAMPLE SEARCH INITIATED 09:46:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     5732 TO ITERATE

 34.9% PROCESSED      2000 ITERATIONS                        3 ANSWERS
```

10/782076

=> s l6
L7   6 L6

=> d l7 1-6 ibib abs hitstr

L7   ANSWER 1 OF 6   HCAPLUS   COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:1302753   HCAPLUS
DOCUMENT NUMBER: 146:184665
TITLE: Preparation and use of microarrays containing
                           synthetic heparin oligosaccharides for the rapid
                           analysis of heparin-protein interactions
AUTHOR(S):   Noti, Christian; de Paz, Jose L.; Polito, Laura;
                           Seeberger, Peter H.
CORPORATE SOURCE: Laboratory for Organic Chemistry, Swiss Federal

AB   Heparin is a highly sulfated, linear polymer that participates in a
     plethora of biol. processes by interaction with many proteins. The chemical
     complexity and heterogeneity of this polysaccharide can explain the fact
     that, despite its widespread medical use as an anticoagulant drug, the
     structure-function relationship of defined heparin sequences is still
     poorly understood. Here, we present the chemical synthesis of a library
     containing heparin oligosaccharides ranging from di- to hexamers of different
     sequences and sulfation patterns. An amine-terminated linker was placed
     at the reducing end of the synthetic structures to allow for
     immobilization onto N-hydroxysuccinimide activated glass slides and
     creation of heparin microarrays. Key features of this modular synthesis,
     such as the influence of the amine linker on the glycosylation efficiency,
     the use of 2-azido-glucose as glycosylating agents for oligosaccharide
     assembly, and the compatibility of the protecting group strategy with the
     sulfation-deprotection steps, are discussed. Heparin microarrays containing
     this oligosaccharide library were constructed using a robotic printer and
     employed to characterize the carbohydrate binding affinities of three
     heparin-binding growth factors. FGF-1, FGF-2 and FGF-4 that are
     implicated in angiogenesis, cell growth and differentiation were studied.
     These heparin chips aided in the discovery of novel, sulfated sequences
     that bind FGF, and in the determination of the structural requirements needed
for
     recognition by using picomoles of protein on a single slide. The results
     presented here highlight the potential of combining oligosaccharide
     synthesis and carbohydrate microarray technol. to establish a
     structure-activity relationship in biol. processes.
IT   920957-88-6P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
         (preparation and use of microarrays containing synthetic heparin
         oligosaccharides for rapid anal. of heparin-protein interactions)
RN   920957-88-6 HCAPLUS
CN   α-L-Idopyranosiduronic acid,
     5-[[2-[[(phenylmethoxy)carbonyl]amino]ethyl]sulfonyl]pentyl
     O-2-azido-2-deoxy-3,4-bis-O-(phenylmethyl)-α-D-glucopyranosyl-
     (1→4)-O-3-O-(phenylmethyl)-α-L-idopyranuronosyl-(1→4)-
     O-2-azido-2-deoxy-3-O-(phenylmethyl)-α-D-glucopyranosyl-(1→4)-
     3-O-(phenylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.
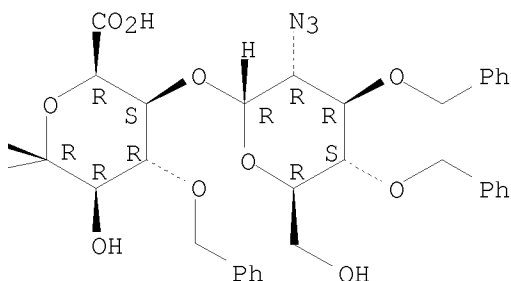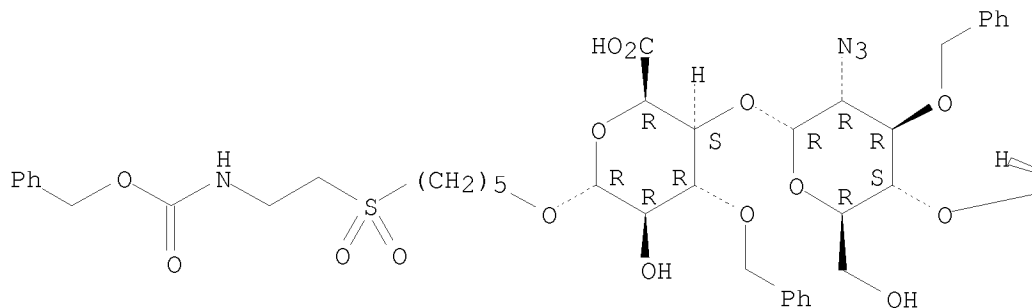
L7   ANSWER 2 OF 6   HCAPLUS   COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:611019   HCAPLUS
DOCUMENT NUMBER: 145:242922
TITLE: Structural analysis of the interaction between shiga
                            toxin B subunits and linear polymers bearing clustered
                            globotriose residues
AUTHOR(S):   Watanabe, Miho; Igai, Katsura; Matsuoka, Koji;
                            Miyagawa, Atsushi; Watanabe, Toshiyuki; Yanoshita,
                            Ryohei; Samejima, Yuji; Terunuma, Daiyo; Natori,
                            Yasuhiro; Nishikawa, Kiyotaka
CORPORATE SOURCE: Department of Clinical Pharmacology, Research
                            Institute, International Medical Center of Japan,
                            1-21-1 Toyama, Shinjuku-ku, Tokyo, 162-8655, Japan
SOURCE: Infection and Immunity (2006), 74(3), 1984-1988
                            CODEN: INFIBR; ISSN: 0019-9567
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
AB   We previously developed linear polymers bearing clustered trisaccharides
      of globotriaosylceramide (Gb3) as orally applicable Shiga toxin (Stx)
      neutralizers. Here, using a Gb3 polymer with a short spacer tethering the
      trisaccharide to the core, we found that shortening the spacer length
      markedly reduced the binding affinity for Stx2 but not Stx1. Moreover,
      mutational anal. revealed that the essential binding sites of the terminal
      trisaccharides were completely different between Stx1 and Stx2. These

results provide the mol. basis for the interaction between Stx B subunits and Gb3 polymers.
IT   749924-89-8
     RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
     (Biological study)
        (structural anal. of interaction between shiga toxin B subunits and
        linear polymers bearing clustered globotriose residues)
RN   749924-89-8 HCAPLUS
CN   2-Propenamide, N-[2-[[5-[(O-α-D-galactopyranosyl-(1→4)-O-
     β-D-galactopyranosyl-(1→4)-β-D-
     glucopyranosyl)oxy]pentyl]thio]ethyl]-, polymer with 2-propenamide (9CI)
     (CA INDEX NAME)

     CM   1

     CRN   749924-87-6
     CMF   C28 H49 N O17 S

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

     CM   2
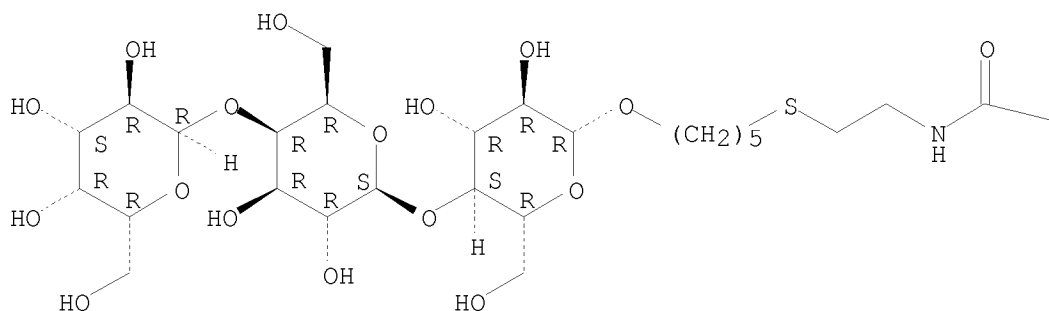
     CRN   79-06-1
     CMF   C3 H5 N O
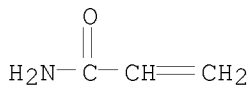
OS.CITING REF COUNT: 11   THERE ARE 11 CAPLUS RECORDS THAT CITE THIS
                                RECORD (11 CITINGS)
REFERENCE COUNT: 25   THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7   ANSWER 3 OF 6   HCAPLUS   COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:1129098 HCAPLUS
DOCUMENT NUMBER: 143:399798
TITLE: Trisaccharide derivatives as colon bacillus verotoxin
                           counter agents
INVENTOR(S):   Matsuoka, Hiroshi; Terunuma, Hiroaki; Hatano, Takeshi;
                           Nishikawa, Kiyotaka; Natori, Yasuhiro; Kita, Eiji;
                           Watanabe, Miho
PATENT ASSIGNEE(S):   Japan Science and Technology Agency, Japan; Nara
                           Prefecture
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
                           CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

      PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
      --------------   ----   --------   --------------------   --------
      JP 2005289907   A   20051020   JP 2004-108483   20040331
PRIORITY APPLN. INFO.:   JP 2004-108483   20040331
GI

$$\mathrm{I}$$
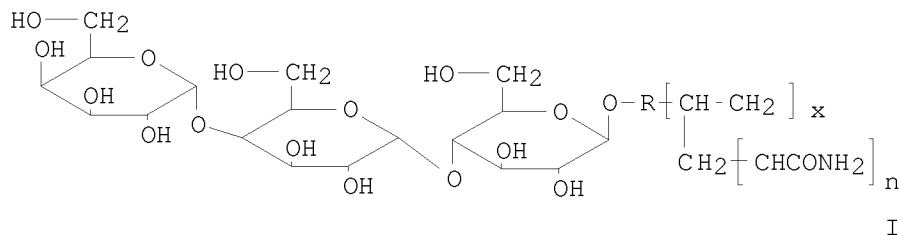
AB   Trisaccharide derivs. (I; X, N = 0-integer number; R =
      (heteroatom-mediated)hydrocarbon chain), with mol. weight 30,000-200,000, are
      claimed as counter agents for verotoxins STX1 and STX2 from colon bacillus
      O157:H7. I were prepared, and their inhibiting effects on adhesion between
      verotoxin and intestine were tested.
IT   749924-89-8P
      RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
      (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
      (Uses)
         (trisaccharide derivs. as colon bacillus verotoxin counter agents)
RN   749924-89-8 HCAPLUS
CN   2-Propenamide, N-[2-[[5-[(O-α-D-galactopyranosyl-(1→4)-O-
      β-D-galactopyranosyl-(1→4)-β-D-
      glucopyranosyl)oxy]pentyl]thio]ethyl]-, polymer with 2-propenamide (9CI)
   (CA INDEX NAME)

      CM   1

      CRN   749924-87-6
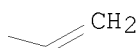   CMF   C28 H49 N O17 S

Absolute stereochemistry.

CM   2
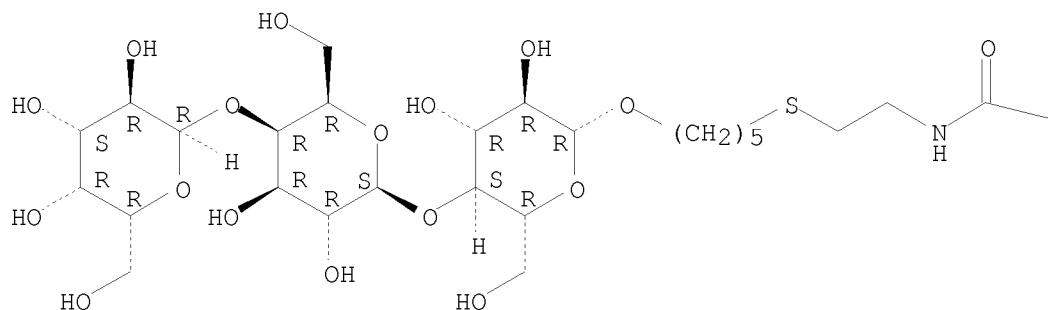
CRN   79-06-1
CMF   C3 H5 N O
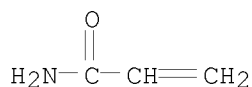
L7   ANSWER 4 OF 6   HCAPLUS   COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:732935   HCAPLUS
DOCUMENT NUMBER: 142:219640
TITLE: Synthesis of glycoconjugate polymer carrying
                         globotriaose as artificial multivalent ligand for
                         Shiga toxin-producing Escherichia coli O157: H7
AUTHOR(S):   Miyagawa, Atsushi; Kurosawa, Hidehiro; Watanabe,
                         Toshiyuki; Koyama, Tetsuo; Terunuma, Daiyo; Matsuoka,
                         Koji
CORPORATE SOURCE: Department of Functional Materials Science, Faculty of
                         Engineering, Saitama University, Sakura, Saitama,
                         338-8570, Japan
SOURCE: Carbohydrate Polymers (2004), 57(4), 441-450
                         CODEN: CAPOD8; ISSN: 0144-8617
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB   As an artificial ligand, a glycoconjugate polymer carrying carbohydrate
     moiety of lactosyl ceramide or globotriaosyl ceramide (Gb3) was
     synthesized. Gb3 is known as the receptor of Shiga toxin-producing
     Escherichia coli O157: H7. The preparation of the glycoconjugate polymer
     initially involves the construction of the carbohydrate moiety of Gb3
     derivative which has n-pentenyl group as polymerizable group. In addition, the

n-pentenyl group of the Gb3 derivative was modified and different polymerizable groups such as acrylamide group were introduced at ω-position of the aglycon. Radical polymerization of the synthesized glycosyl monomers with or without acrylamide proceeded smoothly in water using ammonium persulfate and N, N, N', N'-tetramethylethylenediamine as usual initiator system and gave water-soluble glycoconjugate polymers having various polymer compns. These polymers have the potential to neutralize Shiga toxin by reason of cluster effect and multivalency.

IT 749924-89-8P
    RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
        (synthesis of glycoconjugate polymer carrying globotriaose as
        artificial multivalent ligand for Shiga toxin-producing Escherichia
        coli)
RN 749924-89-8 HCAPLUS
CN 2-Propenamide, N-[2-[[5-[(O-α-D-galactopyranosyl-(1→4)-O-
    β-D-galactopyranosyl-(1→4)-β-D-
    glucopyranosyl)oxy]pentyl]thio]ethyl]-, polymer with 2-propenamide (9CI)
    (CA INDEX NAME)

   CM   1

    CRN 749924-87-6
   CMF C28 H49 N O17 S

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

    CM   2
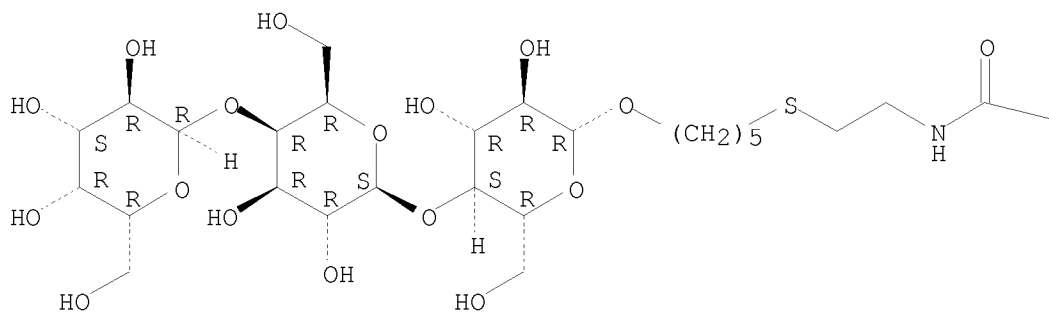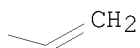
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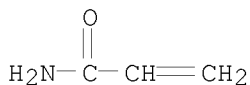
L7   ANSWER 5 OF 6 HCAPLUS   COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:190370 HCAPLUS
DOCUMENT NUMBER: 141:235701
TITLE: Oral therapeutic agents with highly clustered
                           globotriose for treatment of Shiga toxigenic
                           Escherichia coli infections
AUTHOR(S):   Watanabe, Miho; Matsuoka, Koji; Kita, Eiji; Igai,
                           Katsura; Higashi, Nobutaka; Miyagawa, Atsushi;
                           Watanabe, Toshiyuki; Yanoshita, Ryohei; Samejima,
                           Yuji; Terunuma, Daiyo; Natori, Yasuhiro; Nishikawa,
                           Kiyotaka
CORPORATE SOURCE: Department of Clinical Pharmacology, Research
                           Institute, International Medical Center of Japan, and
                           Bioresources Research Laboratory, The Institute of
                           Medical Chemistry, Hoshi University, Tokyo, Japan
SOURCE: Journal of Infectious Diseases (2004), 189(3), 360-368
                           CODEN: JIDIAQ; ISSN: 0022-1899
PUBLISHER: University of Chicago Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB   Shiga toxin (Stx) is a major virulence factor in infection with
     Stx-producing Escherichia coli (STEC). We developed a series of linear
     polymers of acrylamide, each with a different d. of trisaccharide of
     globotriaosylceramide (Gb3), which is a receptor for Stx, and identified
     Gb3 polymers with highly clustered trisaccharides as Stx adsorbents
     functioning in the gut. The Gb3 polymers specifically bound to both Stx1
     and Stx2 with high affinity and markedly inhibited the cytotoxic
     activities of these toxins. Oral administration of the Gb3 polymers
     protected mice after administration of a fatal dose of E. coli O157:H7,
     even when the polymers were administered after the infection had been
     established. In these mice, the serum level of Stx was markedly reduced
     and fatal brain damage was substantially suppressed, which suggests that
     the Gb3 polymers entrap Stx in the gut and prevent its entrance into the
     circulation. These results indicate that the Gb3 polymers can be used as
     oral therapeutic agents that function in the gut against STEC infections.
IT   749924-89-8
     RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU
     (Therapeutic use); BIOL (Biological study); USES (Uses)
        (Gb3 polymers effectively inhibited cytotoxicity of Stx1 and Stx2 with
        lesser extent in Vero cells)
RN   749924-89-8 HCAPLUS
CN   2-Propenamide, N-[2-[[5-[(O-α-D-galactopyranosyl-(1→4)-O-
     β-D-galactopyranosyl-(1→4)-β-D-
     glucopyranosyl)oxy]pentyl]thio]ethyl]-, polymer with 2-propenamide (9CI)
   (CA INDEX NAME)

     CM   1

     CRN   749924-87-6
   CMF   C28 H49 N O17 S

Absolute stereochemistry.

CM   2
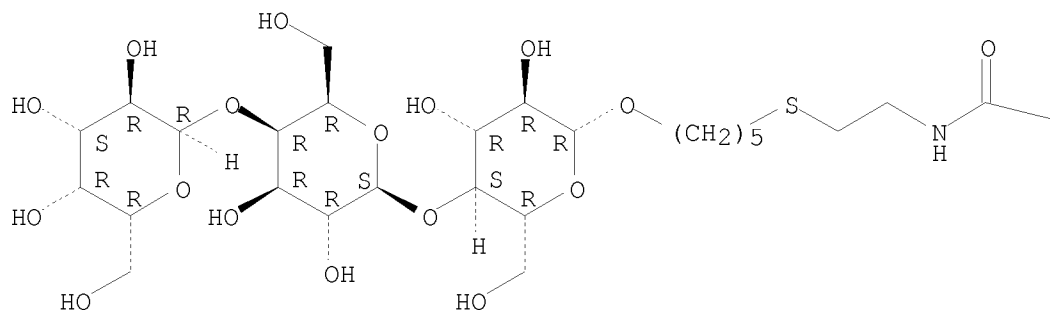
CRN   79-06-1
CMF   C3 H5 N O
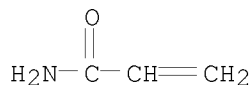
OS.CITING REF COUNT: 40   THERE ARE 40 CAPLUS RECORDS THAT CITE THIS
                                RECORD (40 CITINGS)
REFERENCE COUNT: 26   THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7   ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1986:168671 HCAPLUS
DOCUMENT NUMBER: 104:168671
ORIGINAL REFERENCE NO.:   104:26731a,26734a
TITLE: Total synthesis of optically active 7α,18- and
                          7β,18-dimethyl-19-nortestosterone
AUTHOR(S):   Zhuang, Zhi Ping; Zhou, Wei Shan
CORPORATE SOURCE: Shanghai Inst. Org. Chem., Acad. Sin., Shanghai, Peop.
                          Rep. China
SOURCE: Tetrahedron (1985), 41(18), 3633-41
                          CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S):   CASREACT 104:168671
GI

Et OH
Me
O R   I

Et OAc
O
O
Me   II

Et X
O
O
Me O O
III
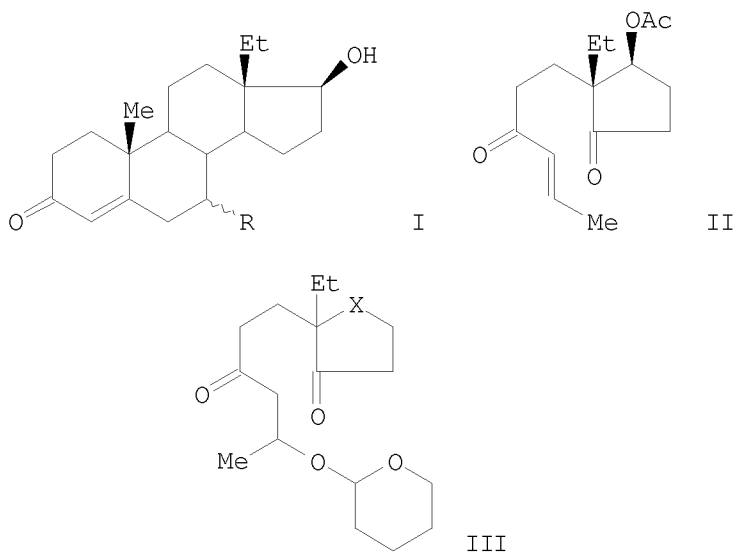
AB   Title compds. I (R = α-Me, β-Me) were prepared from the new
      common optically active synthon II, which was obtained from acrolein in 12
      steps. A key step in the preparation of II was the stereoselective reduction
of
      the cyclopentanedione III (X = CO) by Saccharomyces cerevisiae to give III
      (X = β-CHOH).
IT   101387-21-7P
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
         (preparation and substitution reaction of, with ethylcyclopentanedione)
RN   101387-21-7 HCAPLUS
CN   3-Hexanone, 1-(ethylsulfinyl)-5-[(tetrahydro-2H-pyran-2-yl)oxy]- (CA
      INDEX NAME)

Me   O   O
| ‖   ‖
O—O—CH—CH2—C—CH2—CH2—S—Et
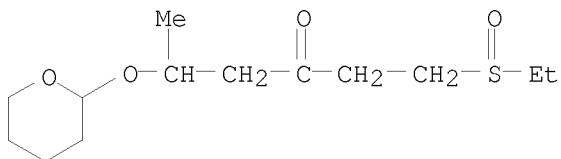
OS.CITING REF COUNT: 9   THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD
                                (9 CITINGS)

=> d his full

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       FILE 'REGISTRY' ENTERED AT 09:41:59 ON 16 FEB 2010
L1   STRUCTURE UPLOADED
               D L1
L2   0 SEA FAM SAM L1
L3   1 SEA FAM FUL L1
               D L3

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L4              0 SEA HCAPLUS

     FILE 'CAPLUS' ENTERED AT 09:43:22 ON 16 FEB 2010
L5              1 SEA L3

     FILE 'REGISTRY' ENTERED AT 09:43:48 ON 16 FEB 2010

     FILE 'CAPLUS' ENTERED AT 09:44:11 ON 16 FEB 2010

     FILE 'HCAPLUS, USPATFULL, ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA,
     ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHDS, BIOTECHNO,
     CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DGENE,
     DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT
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L6              1 S L3
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L7              6 SEA L6
                D L7 1-6 IBIB ABS HITSTR



     FILE HOME

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:   15 FEB 2010   HIGHEST RN 1206588-85-3
     DICTIONARY FILE UPDATES:  15 FEB 2010   HIGHEST RN 1206588-85-3

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

       Please note that search-term pricing does apply when
       conducting SmartSELECT searches.

     REGISTRY includes numerically searchable data for experimental and
     predicted properties as well as tags indicating availability of
     experimental property data in the original document.  For information
     on property searching in REGISTRY, refer to:

     http://www.cas.org/support/stngen/stndoc/properties.html
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FILE CAPLUS

FILE COVERS 1907 - 16 Feb 2010 VOL 152 ISS 8
FILE LAST UPDATED: 15 Feb 2010 (20100215/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE HCAPLUS

FILE COVERS 1907 - 16 Feb 2010 VOL 152 ISS 8
FILE LAST UPDATED: 15 Feb 2010 (20100215/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 11 Feb 2010 (20100211/PD)
FILE LAST UPDATED: 11 Feb 2010 (20100211/ED)
HIGHEST GRANTED PATENT NUMBER: US7661147
HIGHEST APPLICATION PUBLICATION NUMBER: US20100037360
CA INDEXING IS CURRENT THROUGH 11 Feb 2010 (20100211/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 11 Feb 2010 (20100211/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

USPATFULL now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

To ensure comprehensive retrieval of US patent information, including
US patent application information, search USPATFULL in combination with
USPAT2.

FILE ADISCTI

FILE COVERS 1998 TO 12 Feb 2010 (20100212/ED)

FILE LAST UPDATED: 12 FEB 2010 (20100212/ED)

Reloaded 23 September 2007; enter HELP RLOAD for details.

FILE ADISINSIGHT

FILE COVERS 1998 TO 11 Feb 2010 (20100211/ED)
FILE LAST UPDATED: 11 FEB 2010 (20100211/ED)

FILE ADISNEWS

 FILE COVERS 1983 TO 16 Feb 2010 (20100216/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE AGRICOLA

FILE COVERS 1970 TO 6 Jan 2010 (20100106/ED)

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of the Department of Agriculture of the United States of
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reserved. (2010)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE ANABSTR
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
FILE COVERS 1980 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN
    THE BASIC INDEX (/BI) AND CHEMICAL NAME (/CN) FIELDS <<<

FILE ANTE
FILE LAST UPDATED: 21 JAN 2010   <20100121/UP>
FILE COVERS 1981 TO DATE

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
    THE BASIC INDEX <<<

>>> ANTE will load additionally newly included old documents.
    If you are not interested in retrieving these older documents

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        we recommend to modify your SDI by excluding them by publication
        year (PY). E.G. => NOT PY<XXXX <<<

   FILE AQUALINE
   FILE LAST UPDATED: 25 JAN 2010        <20100125/UP>
   FILE COVERS 1960 TO DATE

   >>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
       THE BASIC INDEX <<<


   FILE AQUASCI
   FILE COVERS 1978 TO 2 Feb 2010 (20100202/ED)

   FILE BIOENG
   FILE LAST UPDATED: 25 JAN 2010        <20100125/UP>
   FILE COVERS 1982 TO DATE

   >>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
       THE BASIC INDEX <<<

   FILE BIOSIS
   FILE COVERS 1926 TO DATE.
   CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
   FROM JANUARY 1926 TO DATE.

   RECORDS LAST ADDED: 11 February 2010 (20100211/ED)

   BIOSIS has been augmented with 1.8 million archival records from 1926
   through 1968.  These records have been re-indexed to match current
   BIOSIS indexing.

   FILE BIOTECHDS
   FILE LAST UPDATED: 15 FEB 2010        <20100215/UP>
   FILE COVERS 1982 TO DATE

   >>> USE OF THIS FILE IS LIMITED TO BIOTECH SUBSCRIBERS <<<


   FILE BIOTECHNO
   FILE LAST UPDATED: 7 JAN 2004        <20040107/UP>
   FILE COVERS 1980 TO 2003.
   THIS FILE IS A STATIC FILE WITH NO UPDATES

   >>>  SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
        /CT AND BASIC INDEX  <<<

   FILE CABA
   FILE COVERS 1973 TO 8 Feb 2010 (20100208/ED)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

   The CABA file was reloaded 7 December 2003.  Enter HELP RLOAD for details.

   FILE CEABA-VTB
   FILE LAST UPDATED: 20 JAN 2010        <20100120/UP>
   FILE COVERS 1966 TO DATE

   >>> DECHEMA, the producer of CEABA-VTB is using a new classification
```

        scheme.
        The new classification schemes are available as a PDF file
        and may be downloaded free-of-charge from:
        http://www.stn-international.com/cc-de.html
        and
        http://www.stn-international.com/cc-en.html<<<

FILE CIN

FILE COVERS 1974 - 11 FEB 2010 (20100211/ED)   VOL 39   ISS 7

FILE CONFSCI
FILE COVERS 1973 TO 14 Jan 2010 (20100114/ED)

CSA has resumed updates, see NEWS FILE

FILE CROPB
FILE LAST LOADED: 11 NOV 94   <941111/UP>

<<< CROPB IS A STATIC FILE WITH NO UPDATES >>>

FILE CROPU
FILE LAST UPDATED: 5 JAN 2004   <20040105/UP>
FILE COVERS 1985 TO 2003

<<< CROPU IS A STATIC FILE WITH NO UPDATES >>>

FILE DDFB
 >>> FILE COVERS 1964 TO 1982 - CLOSED FILE <<<

FILE DGENE
FILE LAST UPDATED: 5 FEB 2010   <20100205/UP>

DGENE CURRENTLY CONTAINS 26,083,782 BIOSEQUENCES

>>> ONLINE THESAURUS AVAILABLE IN /PACO <<<

>>> DOWNLOAD THE DGENE WORKSHOP MANUAL:
http://www.stn-international.com/dgene_wm.html

>>> DOWNLOAD COMPLETE DGENE HELP AS PDF:
http://www.stn-international.com/dgene_help.html   <<

>>> DOWNLOAD DGENE BLAST/GETSIM FREQUENTLY ASKED QUESTIONS:
http://www.stn-international.com/dgenefaq.html

>>> GETSEQ ENHANCEMENTS: Maximum result set limit increased
    to 250,000 answers, new HIT (ALIGN) display available.
    Please see HELP CHANGE for details.
    To learn more, visit:
    http://www.stn-international.com/newgetseq.html <<<

>>> Percent Identity sorting is now available <<<

>>> BIB and IBIB pre-defined formats now include PSL
    (patent sequence location) field <<<

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FILE DISSABS
FILE COVERS 1861 TO 10 FEB 2010 (20100210/ED)
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FILE DRUGB
 >>>  FILE COVERS 1964 TO 1982 - CLOSED FILE  <<<


FILE DRUGMONOG2

 FILE IS CURRENT THROUGH 30 Nov 2009 (20091130/ED)

    ################################################################
    #                                                              #
    #                     !!! ATTENTION !!!                        #
    #                                                              #
    #  Welcome to DRUGMONOG2.  This file is available to all users. #
    #  To access drug pricing information, use DRUGMONOG, accessible #
    #  only to pharmaceutical organizations for reasons of         #
    #  confidentiality.                                            #
    #                                                              #
    #  If you already have subscription status on any of the IMSworld#
    #  files on STN and belong to a pharmaceutical organization, you #
    #  should automatically have access to DRUGMONOG.  If you belong #
    #  to a pharmaceutical organization and would like to use       #
    #  DRUGMONOG, please contact your STN Help Desk.  If you do not  #
    #  need pricing information, use DRUMONOG2.                     #
    #                                                              #
    #  See HELP SUBSCRIPTION for more information.                  #
    ################################################################

FILE DRUGU
FILE LAST UPDATED: 11 FEB 2010        <20100211/UP>
>>>  DERWENT DRUG FILE (SUBSCRIBER)  <<<

>>>  FILE COVERS 1983 TO DATE  <<<
>>>  THESAURUS AVAILABLE IN /CT  <<<


FILE EMBAL

FILE COVERS CURRENT RECORDS AND IS UPDATED DAILY
FILE LAST UPDATED: 16 Feb 2010 (20100216/ED)

FILE EMBASE
 FILE COVERS 1974 TO 15 Feb 2010 (20100215/ED)

 EMBASE is now updated daily.  SDI frequency remains weekly (default)
 and biweekly.
```

This file contains CAS Registry Numbers for easy and accurate
substance identification.

For further assistance, please contact your local helpdesk.

FILE ESBIOBASE
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
FILE COVERS 1994 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN THE BASIC
    INDEX (/BI), ABSTRACT (/AB), CLASSIFICATION CODE (/CC), SUPPLEMENTARY
    TERM (/ST), AND TITLE (/TI) FIELDS <<<

FILE FOMAD
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
FILE COVERS 1982 TO DATE.

FILE FROSTI
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
FILE COVERS 1972 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE
    IN THE BASIC INDEX (/BI) FIELD <<<

FILE FSTA
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
FILE COVERS 1969 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN THE BASIC
    INDEX (/BI) FIELD <<<

FILE GENBANK

 GENBANK (R) IS A REGISTERED TRADEMARK OF THE U.S. DEPARTMENT
 OF HEALTH AND HUMAN SERVICES.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

FILE HEALSAFE
FILE COVERS 1981 TO 2 Feb 2010 (20100202/ED)

FILE IFIPAT
FILE COVERS 1950 TO PATENT PUBLICATION DATE: 9 Feb 2010 (20100209/PD)
FILE LAST UPDATED: 12 Feb 2010 (20100212/ED)
HIGHEST GRANTED PATENT NUMBER: US7661147
HIGHEST APPLICATION PUBLICATION NUMBER: US20100031408
UNITERM INDEXING IS AVAILABLE IN THE IFIUDB FILE
UNITERM INDEXING LAST UPDATED: 25 Jan 2010 (20100125/UP)
INDEXING CURRENT THROUGH PAT PUB DATE: 29 Dec 2009 (20091229/PD)

The IFI Patent Database (IFIPAT), IFI Comprehensive Database (IFICDB),
and IFI Uniterm Database (IFIUDB), have been reloaded on STN. Search
and display enhancements in this reload include the addition of the
DISPLAY SCAN format to help evaluate usefulness of answer sets,
indexing for more than 70,000 additional published applications, and
enhanced indexing with new terms for various green technology areas
such as biofuels and biodegradable polymers.

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FILE IMSDRUGNEWS
FILE COVERS 1995 TO 5 Feb 2010 (20100205/ED)

######################################################################
#                                                                    #
#                        !!! ATTENTION !!!                           #
#                                                                    #
#   Welcome to IMSDRUGNEWS.  This is the Drug News file from         #
#   IMSworld Publications.                                           #
#                                                                    #
#   For detailed information regarding the printed version           #
#   of this file, please contact IMS HEALTH Customer Services        #
#   directly by phone at +44(0)20-7393-5888, or email                #
#   globaldirect@uk.imshealth.com.                                   #
#                                                                    #
#   See HELP SUBSCRIPTION for more information.                      #
######################################################################

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

 The file name was changed from DRUGNL to IMSDRUGNEWS on 7 Dec. 2003.
 The file name DRUGNL is now an alias for IMSDRUGNEWS.

FILE IMSPRODUCT
 FILE COVERS 1982 TO 25 Jan 2010 (20100125/ED)

######################################################################
#                                                                    #
#                        !!! ATTENTION !!!                           #
#                                                                    #
#   Welcome to IMSPRODUCT.  A special subscriber rate is             #
#   available to purchasers of the IMSworld publication,             #
#   Drug Launches.                                                   #
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#   IMS HEALTH Customer Services directly by phone                   #
#   at +44(0)20-7393-5888, or email globaldirect@uk.imshealth.com #
#   See HELP SUBSCRIPTION for more information.                      #
#                                                                    #
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 The file name was changed from DRUGLAUNCH to IMSPRODUCT on 7 Dec. 2003.
 The file name DRUGLAUNCH is now an alias for IMSPRODUCT.

FILE IMSRESEARCH
FILE COVERS 1977 TO 15 Feb 2010 (20100215/ED)


######################################################################
#                                                                    #
#                        !!! ATTENTION !!!                           #
#                                                                    #
#   Welcome to IMSRESEARCH.  A special subscriber rate               #
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#   R&D Focus, part of the Drug Intelligence range.                  #
#                                                                    #
#   For detailed information regarding eligibility and               #
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#  IMS HEALTH Customer Services directly by phone                    #
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#  See HELP SUBSCRIPTION for more information.                       #
#                                                                    #
######################################################################
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This file contains CAS Registry Numbers for easy and accurate
substance identification.

The file name was changed from DRUGUPDATES to IMSRESEARCH on 7 Dec. 2003.
The file name DRUGUPDATES is now an alias for IMSRESEARCH.

FILE KOSMET
FILE LAST UPDATED: 8 FEB 2010   <20100208/UP>
FILE COVERS 1968 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE
    IN THE BASIC INDEX (/BI) FIELD <<<

FILE LIFESCI
FILE COVERS 1978 TO 2 Feb 2010 (20100202/ED)

FILE MEDLINE
 FILE LAST UPDATED: 13 Feb 2010 (20100213/UP). FILE COVERS 1949 TO DATE.

 MEDLINE and LMEDLINE have been updated with the 2010 Medical Subject
 Headings (MeSH) vocabulary and tree numbers from the U.S. National Libra
 of Medicine (NLM). Additional information is available at

 http://www.nlm.nih.gov/pubs/techbull/nd09/nd09_medline_data_changes_2010.

 See HELP RLOAD for details.

 The Medline file has been reloaded effective January 24, 2010.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

 See HELP RANGE before carrying out any RANGE search.

FILE NTIS
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
FILE COVERS 1964 TO DATE.

<<< SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
    THE BASIC INDEX (/BI) >>>

FILE OCEAN
FILE COVERS 1964 TO 2 FEB 2010 (20100202/ED)

FILE PASCAL
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
FILE COVERS 1977 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE
    IN THE BASIC INDEX (/BI) FIELD <<<

FILE PCTGEN
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
MOST RECENT PCT PUB DATE: 11 FEB 2010   <20100211/PD>

PCTGEN CURRENTLY CONTAINS 7,061,422 BIOSEQUENCES

>>> DOWNLOAD COMPLETE PCTGEN HELP AS PDF:
http://www.stn-international.com/pctgen_help.html

>>> DOWNLOAD RUN BLAST/GETSIM FREQUENTLY ASKED QUESTIONS:
http://www.stn-international.com/dgenefaq.html   <<<

<<< OCR Sequence Listings incorporated into the file –
    see Help Change >>>

>>> GETSEQ ENHANCEMENTS: Maximum result set limit increased
    to 250,000 answers, new HIT (ALIGN) display available.
    Please see HELP CHANGE for details.
    To learn more, visit:
    http://www.stn-international.com/newgetseq.html <<<

>>> Percent identity sorting is now available <<<
    To learn more, visit:
    http://www.stn-international.de/percent_identity_sorting.html <<<

>>> New FASTA display formats available. See HELP CHANGE for details <<<

FILE PROMT
 FILE COVERS 1978 TO 13 Feb 2010 (20100213/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

FILE PROUSDDR

 FILE COVERS 1980 TO 4 Jan 2010 (20100104/ED)

FILE PS
FILE LAST RELOADED: 18 NOV 2008   <20081118/UP>
FILE COVERS 1957 TO DATE

>>>Simultaneous left and right truncation is available in the
   Basic Index (/BI) and Chemical Name Segment (/CNS) fields <<<

>>> Images are available online and for email-prints <<<

FILE RDISCLOSURE
FILE LAST UPDATED: 12 FEB 2010   <20100212/UP>
FILE COVERS 1960 TO DATE

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN THE
    BASIC INDEX (/BI) AND TITLE (/TI) FIELDS <<<

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

FILE SCISEARCH

FILE COVERS 1974 TO 11 Feb 2010 (20100211/ED)

SCISEARCH has been reloaded, see HELP RLOAD for details.

FILE SYNTHLINE

FILE COVERS 1984 TO 21 Jan 2010 (20100121/ED)

FILE TOXCENTER

FILE COVERS 1907 TO 16 Feb 2010 (20100216/ED)

The MEDLINE file segment has been reload and updated with the National
Library of Medicine's revised 2010 MeSH terms.

MEDLINE was last reloaded on January 24, 2010.

See HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance
identification.

FILE USGENE
FILE LAST UPDATED: 12 FEB 2010   <20100212/UP>
MOST RECENT PUBLICATION DATE: 11 FEB 2010   <20100211/PD>
FILE COVERS 1981 TO DATE

>>> DOWNLOAD THE USGENE WORKSHOP MANUAL:
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http://www.stn-international.com/usgenefaq.html <<<

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http://www.stn-international.com/usgene_help.html <<<

>>> USGENE provides USPTO sequence data within 3 days of publication<<<

>>> Enhanced Patent Sequence Location (PSL), bibliographic details,
    Family and Legal Status options are now available in USGENE!
                              See HELP CHANGE for details. <<<

>>> BLAST percent identity (IDENT) sorting is now available!
    To learn more, visit:
    http://www.stn-international.de/percent_identity_sorting.html <<<

>>> New FASTA display formats available. See HELP CHANGE for details <<<

FILE USPATOLD

FILE COVERS U.S. PATENTS 1790-1975
Produced using data provided by Univentio.

This database was created using Optical Character Recognition (OCR)
technology. For this reason, some characters may be missing or
mistranslated. In order to improve searchability and retrieval,
CA indexing information has been added to the Title, Inventor, and
Patent Assignee fields where possible. Please see HELP CASDATA for
more information on the availability of CAS indexing in this database.

USPATOLD now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 16 Feb 2010 (20100216/PD)
FILE LAST UPDATED: 16 Feb 2010 (20100216/ED)
HIGHEST GRANTED PATENT NUMBER: US20100011223
HIGHEST APPLICATION PUBLICATION NUMBER: US20100036739
CA INDEXING IS CURRENT THROUGH 16 Feb 2010 (20100216/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 16 Feb 2010 (20100216/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

USPAT2 NOW INCLUDES COMPLETE INTERNATIONAL PATENT CLASSIFICATION (IPC)
reclassification data for the third quarter of 2009.

To ensure comprehensive retrieval of US patent information, including
US patent application information, search USPAT2 in combination with
USPATFULL.

FILE VETB
FILE LAST UPDATED: 25 SEP 94   <940925/UP>
FILE COVERS 1968-1982

FILE VETU
FILE LAST UPDATED: 2 JAN 2002   <20020102/UP>
FILE COVERS 1983-2001

FILE WATER
FILE LAST UPDATED: 25 JAN 2010   <20100125/UP>
FILE COVERS 1967 TO DATE

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
    THE BASIC INDEX <<<

FILE WPIDS
FILE LAST UPDATED: 14 FEB 2010   <20100214/UP>
MOST RECENT UPDATE: 201011   <201011/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> Now containing more than 1.5 million chemical structures in DCR <<<

>>> IPC, ECLA, US National Classifications and Japanese F-Terms
    and FI-Terms have been updated with reclassifications to
    end of December 2009.
    No update date (UP) has been created for the reclassified
    documents, but they can be identified by
    specific update codes (see HELP CLA for details) <<<

>>> FOR THE LATEST DERWENT WORLD PATENTS INDEX (DWPI)
    STN USER DOCUMENTATION, PLEASE VISIT:
    http://www.stn-international.com/stn_dwpi.html <<<

>>> HELP for European Patent Classifications see HELP ECLA, HELP ICO <<<

>>> Japanese FI-TERM thesaurus in field /FCL added <<<

FILE WPIFV
FILE LAST UPDATED: 15 FEB 2010   <20100215/UP>
MOST RECENT UPDATE: 201011   <201011/DUPD>

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE
http://scientific.thomsonreuters/support/patents/coverage/latestupdates/

>>> FOR A COPY OF THE DERWENT WPIFV STN USER GUIDE, PLEASE VISIT:
http://www.stn-international.com/dwpifv_man.html <<<

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=> log h
COST IN U.S. DOLLARS                        SINCE FILE     TOTAL
                                              ENTRY       SESSION
FULL ESTIMATED COST                           40.68        222.17

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE     TOTAL
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